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AUG 09 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Named Applicant: Haas	)	Art Unit: 2175
Serial No.: 09/658,303	)	Examiner: Mahmoudi
Filed: September 8, 2000	)	ARC9-2000-0125-US1
For: <b>SYSTEM AND METHOD FOR SCHEMA MAPPING</b>	)	August 8, 2005
	)	750 B STREET, Suite 3120
	)	San Diego, CA 92101
	)	

**Rule 132 Declaration**

Commissioner of Patents and Trademarks  
Washington, DC 20231

Dear Sir:

I, Mauricio Hernandez, declare as follows:

1. I am a co-inventor of the invention claimed in the above-captioned U.S. patent application.
2. I am one skilled in the art both by virtue of my current inventorship and by the following experience and education: I have a Ph.D. in Computer Science (Columbia University, 1996) and have worked in Database research for 13 years. Schema Mapping technology has been my research focus since I joined TBM Research in 1999.
3. Depledge et. al. is directed to maintaining a "bitmapped" index in a RDBMS having one and only one schema. People skilled in the art would not equate the relationship between the relational data and its index with the relationship between two different database schemas as prescribed by a mapping. In other words, the skilled artisan would not regard an index in a RDBMS to be one type of "schema" while the data represented by the

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index is another type of "schema". Moreover, the two things are not even remotely used for the same purpose, because an index structure is built to provide quick access to the underlying data whereas a schema mapping is, on the other hand, a relationship between two or more database schemas that is used to derive a transformation query that translates data represented in one relational schema to data in the other relational schema.

4. Moreover, Depledge et al. has nothing to do with the grouping of value correspondences. More particularly, grouping two value correspondences such as "Employee.SSN->Perons.ID" and "Employee.NAME->Person.NAME" into the same query means constructing a query that moves "pairs" of SSN and NAME value from Employee into Person, whereas a query supported by Depledge et al. (such as SELECT \* FROM EMPLOYEE WHERE NAME="John" or NAME="Mary" simply uses a "bitmapped" index to find all the records in EMPLOYEE that either have "John" or "Mary" as their NAME value — and has nothing with schema mapping.

5. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United State Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.




Mauricio Hernandez

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Respectfully submitted,

  
\_\_\_\_\_  
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**APPENDIX C - RELATED PROCEEDINGS**

None (this sheet made necessary by 69 Fed. Reg. 155 (August 2004), page 49978.)

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